



Data and Services

ATMOSPHERE Data Set Reference Sheet Part 2: Aerosols, Clouds, and Radiation

Physical Properties	Data Center	Selected Data Sets and Data Collections
Aerosol Properties <i>Stratospheric, tropospheric</i>	GES DAAC http://daac.gsfc.nasa.gov	<ul style="list-style-type: none">MODIS/Terra Aerosol 5-Min L2 Swath 10 km*MODIS/Terra Aerosol Cloud Water Vapor Ozone Daily, 8-Day, and Monthly L3 Global 1Deg CMG Products*CLAES Level 3AL, Level 3AT, and Level 3B Daily Data Products (aerosol profiles)HALOE Level 2 and Level 3AT Daily Products (aerosol extinction profiles).ISAMS Level 3AL, Level 3AT, and Level 3B Daily Data Products (aerosol extinction profiles)
	LaRC DAAC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none">Multi-angle Imaging SpectroRadiometer (MISR) Level 2 Aerosol Parameters and Level 3 Component Global Aerosol (daily, monthly, quarterly, and yearly) ProductsStratospheric Aerosol and Gas Experiment (SAGE) I Aerosol Extinction ProfilesSAGE II Aerosol Extinction Profile dataSAGE III L2 Solar Event and Lunar Event Species Profiles
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none">GLAS/ICESat L2 Global Planetary Boundary Layer and Elevated Aerosol Layer HeightsGLAS/ICESat L2 Global Aerosol Vertical Structure DataGLAS/ICESat L2 Global Thin Cloud/Aerosol Optical Depths DataGLAS/ICESat L1B Global Backscatter Data
Cloud Properties <i>Amount, optical properties, height</i>	GES DAAC http://daac.gsfc.nasa.gov	<ul style="list-style-type: none">MODIS/Terra Clouds 5-Min L2 Swath 1 km and 5 km*MODIS/Terra Cloud Mask and Spectral Test Results 5-Min L2 Swath 250 m and 1 km*MODIS/Terra Aerosol Cloud Water Vapor Ozone Daily, 8-Day, and Monthly L3 Global 1Deg CMG Products*AIRS/Aqua FINAL Level 2 Products
	LP DAAC http://lpdaac.usgs.gov	<ul style="list-style-type: none">ASTER On-Demand L2 Polar Surface and Cloud Classification
	GHRC http://ghrc.msfc.nasa.gov	<ul style="list-style-type: none">CAMEX-3 Data Sets [e.g., CAMEX-3 Cloud and Aerosol Particle Characterization (CAPAC)]CAMEX-4 Data Sets [e.g., CAMEX-4 Cloud Microphysics]
	PO. DAAC http://podaac.jpl.nasa.gov	<ul style="list-style-type: none">AVHRR Polar Pathfinder Twice Daily 1.25, 5, and 25 km EASE Grid CompositesTOVS Pathfinder Path P Daily Arctic Gridded Atmospheric Parameters
	LaRC DAAC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none">MISR Level 2 TOA/Cloud Stereo, Level 2 TOA/Cloud Albedo, and Level 2 TOA/Cloud Classifier ParametersInternational Satellite Cloud Climatology Project (ISCCP) DX, D1, and D2 data productsFirst ISCCP Regional Experiment (FIRE) Data Sets

* MODIS/Aqua versions of these products are also available.

Cloud Properties <i>Continued</i>	LaRC DAAC <i>Continued</i>	<ul style="list-style-type: none"> Clouds and the Earth's Radiant Energy System (CERES) Clouds and Radiative Swath (CRS), Monthly Gridded Single Satellite Fluxes and Clouds (FSW), Monthly Gridded TOA/Surface Fluxes and Clouds (SFC), Monthly TOA/Surface Averages (SRBAVG), and Single Scanner Footprint TOA/Surface Fluxes and Clouds (SSF) Products [TRMM, Terra, Aqua]
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> AMSR-E/Aqua Daily, Weekly, and Monthly L3 Global Ascending/Descending .25x.25 deg Ocean Grids AMSR-E/Aqua L2B Global Swath Ocean Products derived from Wentz Algorithm AVHRR Polar Pathfinder Twice-Daily 1.25 km, 5 km, and 25 km EASE-Grid Composites Comprehensive Ocean - Atmosphere Data Set (COADS) LMRF Arctic Subset Daily Arctic Ocean Rawinsonde Data from Soviet Drifting Ice Stations GLAS/ICESat L2 Global Cloud Heights for Multi-Layer Clouds GLAS/ICESat L2 Global Thin Cloud/Aerosol Optical Depths Data GLAS/ICESat L2 Global Aerosol Vertical Structure Data
Radiative Energy Fluxes <i>Top of atmosphere, surface</i>	LaRC DAAC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> CERES Data Sets [from TRMM, Terra, and Aqua] NIMBUS-7 ERB (Nimbus-7 Earth Radiation Budget) Data Sets Earth Radiation Budget Experiment (ERBE) Data Sets Surface Radiation Budget (SRB) Data Sets (3 hourly, daily and monthly) MISR Level 1B2 Ellipsoid Data, Level 2 TOA/Cloud Albedo Parameters, Level 2 Surface Parameters, and Level 3 Component Global Radiance (daily, monthly, quarterly, and yearly) Products Surface meteorology and Solar Energy (SSE) Data Set
	LP DAAC http://lpdaac.usgs.gov	<ul style="list-style-type: none"> ASTER L1B Registered Radiance at the Sensor ASTER On-Demand L2 Surface Reflectance VNIR ASTER On-Demand L2 Surface Radiance VNIR MODIS/Terra Surface Reflectance 8-Day L3 Global 250m SIN Grid* MODIS/Terra BRDF/Albedo Model-1 16-Day L3 Global 1km SIN Grid MODIS/Terra Albedo 16-Day L3 Global 1km SIN Grid** MODIS/Terra Nadir BRDF-Adjusted Reflectance 16-Day L3 Global 1km SIN Grid MODIS/Terra Albedo 16-Day L3 Global 0.05Deg CMG** MODIS/Terra BRDF/Albedo Parameters 16-Day L3 Global 0.05Deg CMG ** MODIS/Terra Nadir BRDF-Adjusted Reflectance 16-Day L3 Global 0.05Deg CMG** MODIS/Terra Surface Reflectance 8-Day L3 Global 500m SIN Grid*

GES DAAC Goddard Space Flight Center (GSFC) Earth Sciences DAAC

GHRC Global Hydrology Resource Center

LaRC DAAC Langley Research Center DAAC

LP DAAC Land Processes DAAC

NSIDC DAAC National Snow and Ice Data Center DAAC

PO. DAAC Physical Oceanography DAAC

* MODIS/Aqua versions of these products are also available

** Combined MODIS/Terra and MODIS/Aqua versions of these products are also available.